

Join SLI in celebrating our interns' accomplishments this summer...

STEM Internship Final Presentations

This summer, 30 Foothill students participated in internships, gaining skills in research with the guidance and support of mentors at Stanford, SLAC, San Jose State University, Carnegie Science, University of California Santa Cruz. Help us celebrate their accomplishments in their through their final presentations.

WED, SEPT 4, 2024 1 - 2:15 PM 2:30 - 3:45 PM

(In person and Zoom)

THU, SEPT 5, 2024 10 AM - 11:30AM (Zoom)

Room 4502 at Foothill for in-person

Zoom link



WEDNESDAY 9/4/24

1 PM - 2:15 PM, Zoom & Room 4502

SOFIA MARQUEZ & TOSIF ALIYEV

Philip Dirlam, San Jose State University

Broadening Accessibility & Training
To Emerging Researchers for
Innovative Energy Storage
(BATTERIES)

VINCE DAVID MUEGO

Li Liu, University of California, Santa Cruz

Towards reliable and explainable visual assistance using data science

ALEXIS AGUILAR

Julie Segal, SLAC

TCAD Simulation of Silicon detectors

EMILY JIMENEZ

Mackenzie Bullock, Standard BioTools

Development of a microfluidic platform for high throughput genomic analysis.

DANIEL HERNANDEZ RUFINO

Sheena Vasquez, Stanford University

Developing tools to purify polluted waters using structural biology

SAMUEL AVALOS

Xinzhe Xue, University of California, Santa Cruz Designing High-Energy-Density Zinc

Batteries

STEFANY MALDONADO

Andrea Nebhut, Carnegie Institution for Science

Invasive plant success in a changing climate

DIEGO GODOY RUGE

Yonatan Winetraub, Stanford University

Utilizing Machine Learning to Create

Non Invasive Biopsy for Early

Detection of Cancer



WEDNESDAY 9/4/24

2:30 PM - 3:45 PM, Zoom & Room 4502

PAULINA CABRAL

Fatima Pardo Avila, Stanford University

Building PDBCleanV2, a Python library to curate molecular structures

CHRYSTYAN PULIDO

Wonhee Lee, Jeffery Ott, Stanford University

Textsmith: Harnessing the Power of Al for Text Classification

FERNANDA ABOYTES VILLASENOR

Daniel Fernandez, Stanford University

Oligopeptide Models of Biological

Protein Action

ALEXANDER ARDON

Jemma Fadum, Carnegie Institution for Science Research assistant for study on the impacts of salmon aquaculture in Newfoundland, Canada

HANNAH SHONG

Chris Zhan, Intact Therapeutics

Investigation for Protein Stabilizing

© Compounds in Liquid and Hydrogel

Solutions

JOSH GERMAIN

Max Mu, Davy Pang, Rambus Inc.

🔯 R&D Lab Intern for Validation Teams

MISHELLE SOLIS JUAREZ

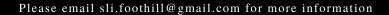
Javaria Najeeb, Stanford University

Study of Viral Glycoproteins for Vaccine Discovery

PATTON BUI

Stephanie Limon, Intermolecular

Reviewing Quality Assurance Schematics in the Semiconductor Industry





THURSDAY 9/5/24

10 - 11:30 AM, Zoom

DANNA AVILA

Sean Yamada-Hunter, Stanford University

lmproving paired immunotherapies through T cell genome engineering

MATEO CHAVEZ

Thom Chaffee, Stanford University

Preventing rust while heating rare extraterrestrial materials to understand

their magnetic properties

RICARDO DIAZ

William Ng, Noel Shamoon, Rambus Inc.

🔯 R&D Lab Intern for Validation Teams

TANEQUA BAILEY

Feruza Amirkulova, San Jose State
University

Traveling Waves and Sound

Propagation Simulations using
Waves.jl Data-Driven Framework

CARLOS HERNANDEZ

Samira Bagheri, EMD Electronics

Process engineer assistant in a semiconductor company

HAILY GARCIA GONZALEZ

Virginia Isarraras, Stanford University

A Platform for Elevating Youth Voices and Choices

PHOENIX WILSON

Sylvain Flamant, Esperanto Technologies

Project 1: Machine Learning: Video-to-Text Project 2: Machine Learning: Speech-to-Text

BRITTANY MORALES & SANDRA LOPEZ

Marco Aguirre, CCPathways

Front End & Data Analytics
Program Intern

ANA SOTO

Wayne Liang, Evocative

Discover the world of digital <u>Sinfrastructure</u> and understand how the

 \otimes intrastructure and understand now the internet works behind the scenes.

JUAN LARA

Andrew Beel, Stanford University

Biochemistry and structural biology of human chromosomes

FLORENCIA BARBIERI

Gabriel Reyes, Marissa Mora, FLi Sci

A Qualitative Exploration of LowIncome Student's Experience in Science